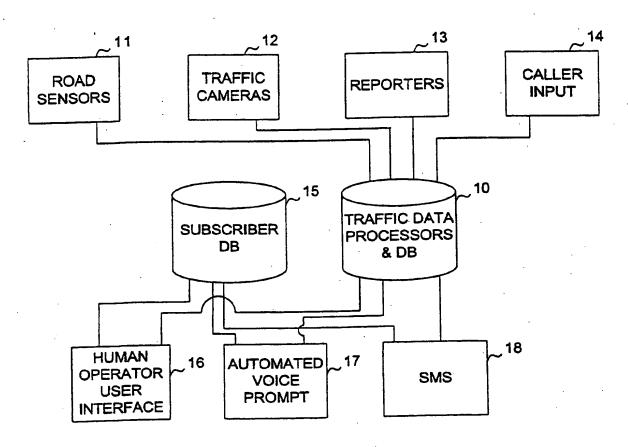
FIG. 1



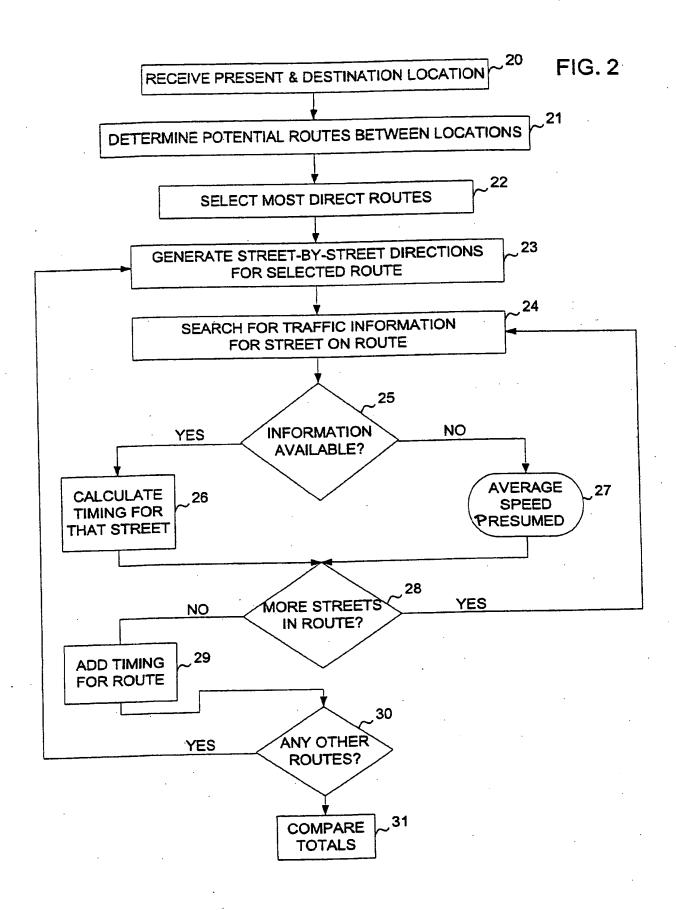
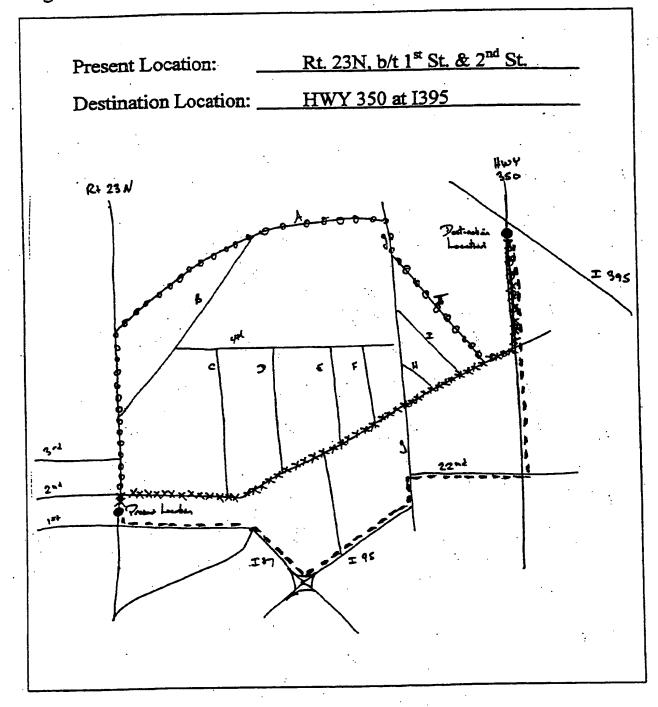


Figure 3



						,	ı		ı										. •		
DISTANCE	3 mi	6 mi	1 mi	2 mi	0.5 mi	5 mi	0.5 mi	6 mi	5 mi	.5 mi	2 mi	2 mi	6 mi	1 mi	3 mi	10 mi				-	
STRETCH OF ROAD	Rt 23 N, b/t 1" & A Sts.,	A St. W, b/t Rt 23 N & G St.,	GSt. S, b/t A St. & J St.,	J St. SW, b/t G St. & 2 rd St.	2 rd St. NW, b/t J St. & Hwy 350	Hwy 350 N, b/t J St. & Hwy 350	Rt 23 N, b/t 14 & 2nd Sts.	2 nd St. W, b/t Rt 23N & Hwy 350	Hwy 350 N, b/t Rt 23N & Hwy 350	Rt 23 S, b/t 2" & 1" Sts.	1st St. W, b/t Rt 23 & I-87	1-187 SW, b/t 1" St. & 1-95	1-95 NW, b/t I-87 & G St.	G St. N, b/t 1-95 & 22 nd St.	22 nd St. W, b/t G St. & Hwy 350	Hwy 350 N, b/t G St. & Hwy 350	· · · · · ·				
STREET	(1)	(2)	(3)	(4)	(5)	9)	(E)	(2)	(3)	(I)	(2)	(3)	4	4	<u>(S</u>	9			•		
ROUTE			€					(B)				ට			,				`		

•

	Time	5 min	14 min		4.5 min	5 min	5.5 min	1 6 22 12	1.1. C.1	38 min	5.5 min	_		3.5 min	2.0 min	45 min	3.4 min	3.6 min	5.5 min			
	Traffic light timing	+1 min	o min	uiu 7 +	0	+ 1 min	0		T T T T T T T T T T T T T T T T T T T	+ 8 min	0		+ 1 min	0	•	0		•	•	_		
	Estimated MPH	45 mph	25 mph	IS mph	25 mph	8 mph	55 mph	TES	45 mpn	12 mph	55 mph	TES	45 mph	35 mph	65 mph	8 mph	25 mph	50 mph	55 mph	TES		
	Category	None	Congestion, Category 3	None	Congestion, Category 4	Congestion, Category 2		TIME FOR ROUTE "A" = 40 MINUTES	None	Congestion, Category 4		FOR ROUTE "B" = 45 MINUTES	None	None	None	Accident, Category 1	None	None	None	TOTAL TIME FOR ROUTE "C" = 65 MINUTES		
•	#of Traffic Lights	—	0	-	0	-	0	IME FOR		∞	0	TIME FOI	_	0	•	0		0	0	 IME FOR		
	Average MPH	45 mph	45 mph	15 mph	30 mph	15 mph		TOTALT	45 mph	15 mph	55 mph	TOTALI		35 mph	65 mph	65 mph	25 mph	50 mph	. 55 mph	TOTALI		
	Wi.	3 mi	6 mi	im I	2 mi	0.5 mi	5 mi		0.5 mi	6 mi	5 mi		.5 mi	2 mi	 2 mi	6 mi		3 mi	10 mi	<u> </u>		
٠,	List of Streets in Route	Rt 23 N, b/t 1" & A Sts.,	A St. W, b/t Rt 23 N & G St.,	G St. S, b/t A St. & J St.,	J St. SW, b/t G St. & 2 rd St.	2 nd St. NW, b/t J St. & Hwy 350	Hwy 350 N, b/t J St. & Hwy 350		Rt 23 N, b/t 1 & 2nd Sts.		_	_	1 Rt 23 S b/t 2nd & 1" Sts.	1st ct W h/ Bt 23 & L-87			1-95 NW, 0/1 1-6/ 05 051.			Hwy 350 N; 0/1 O 51; 62 1147 555		
FIG. 5		(E)	(2)	(3)	(1	9	9		(E)	3			Ξ	3 6		6	€ 6	<u></u>	<u></u>	S		
				3						8	į				,	ے						

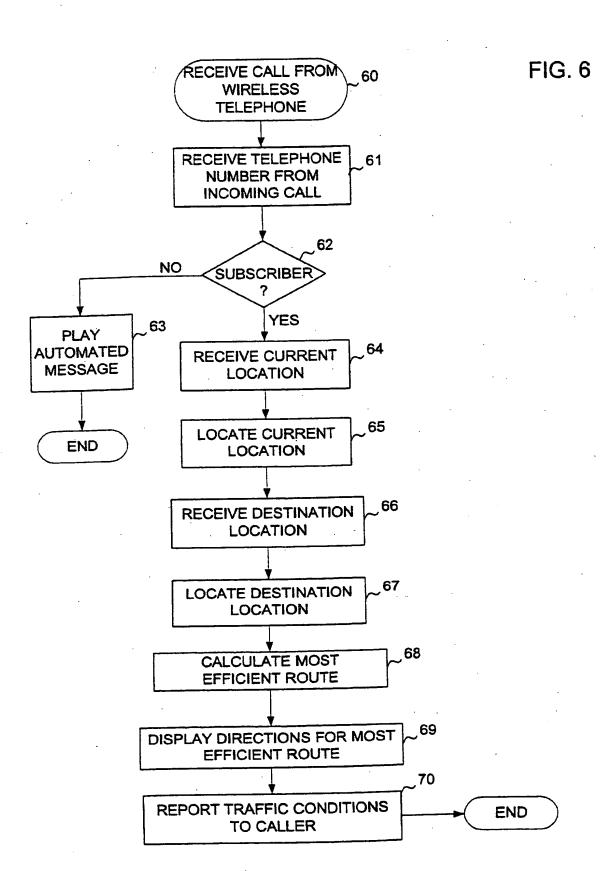
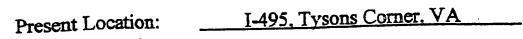
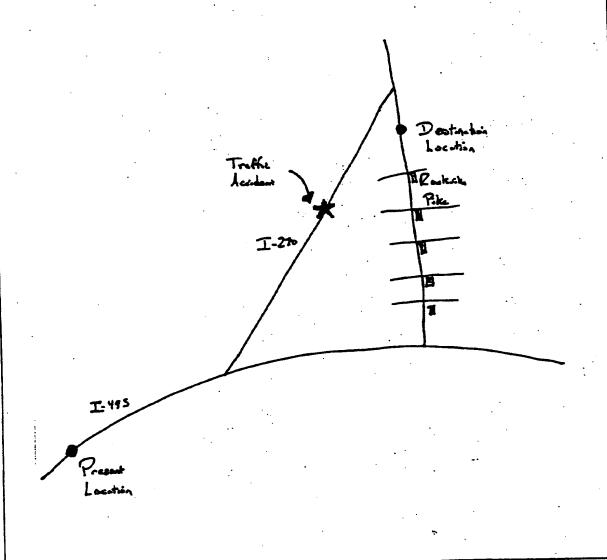


Figure 7



Destination Location: Rockville Pike. Rockville, MD



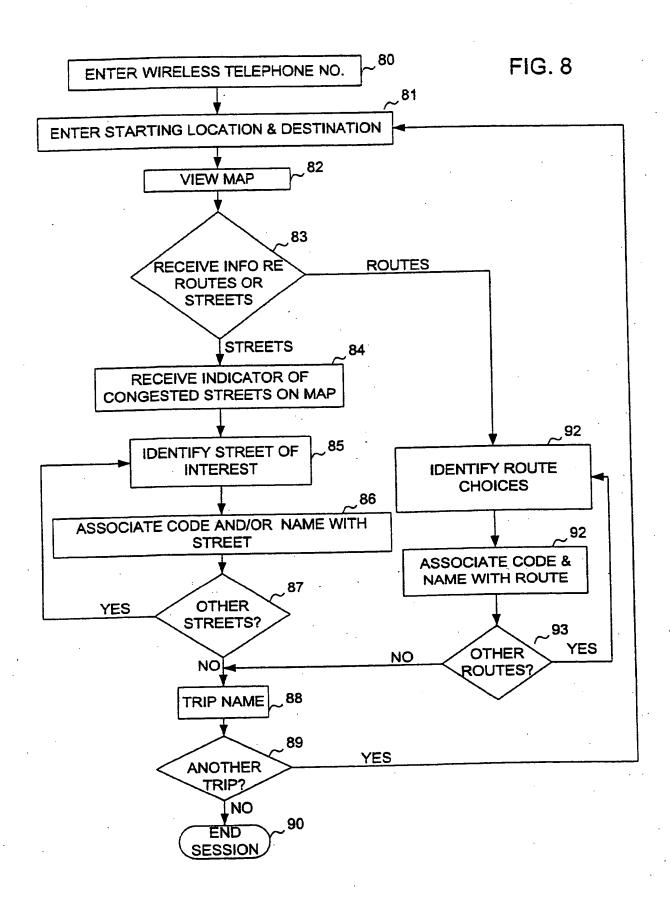
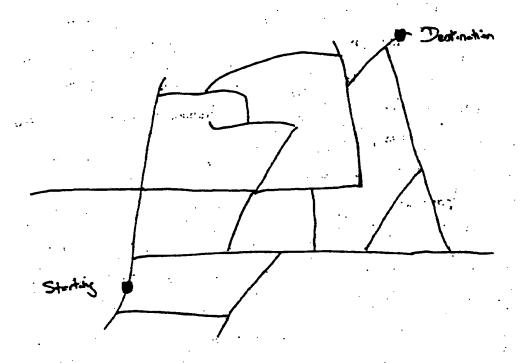


Figure 9A

Enter Cellular Telephone Number: 404-628-5465

Enter Starting Location: 1459 Peachtree Street

Enter Destination Location: 154 Barbados Place



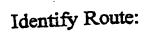
Receive Information for:

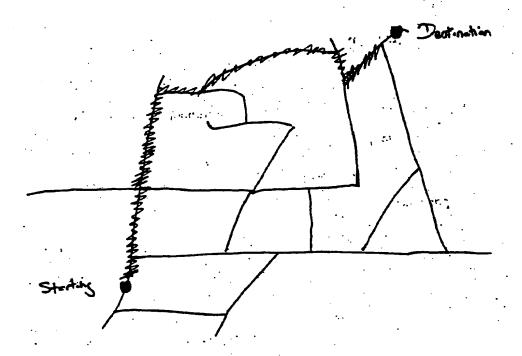
O Streets • Routes

Identify Trip:

Commute Home

Figure 9B





Identify Name of Route:

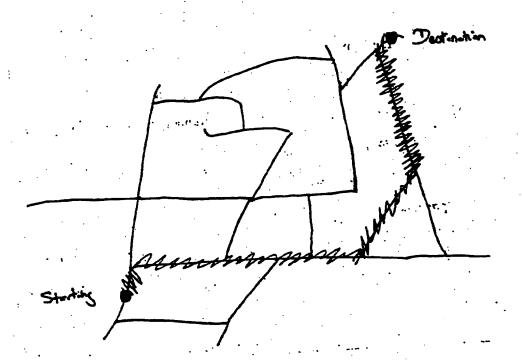
Along Peachtree

Identify Another Route:

• Yes O No

Figure 9C

Identify Route:



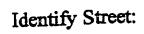
Identify Name of Route: _

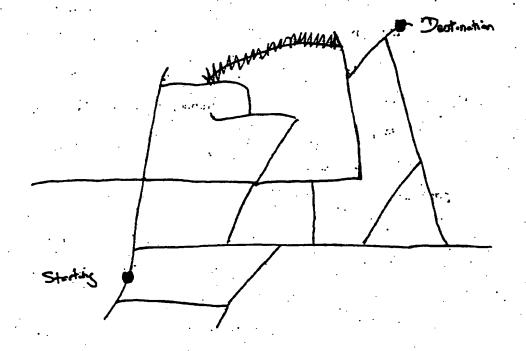
Along Midtown

Identify Another Route:

O Yes • N

Figure 10A





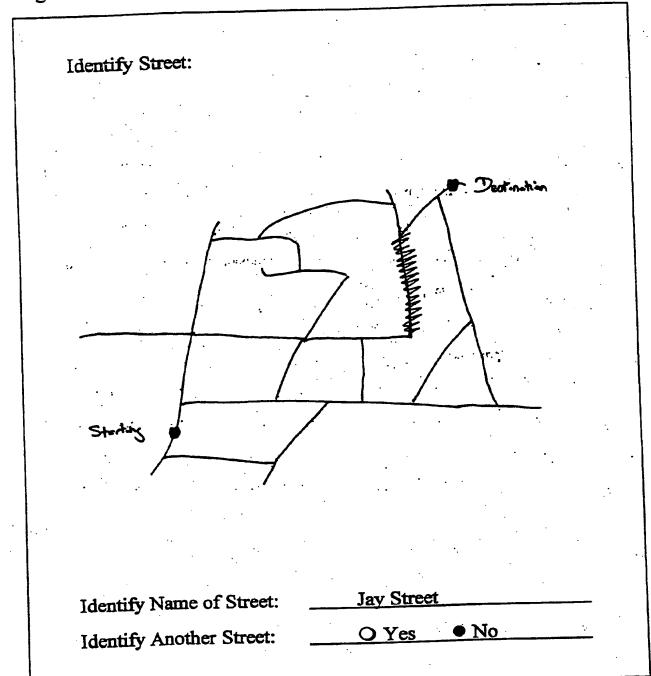
Identify Name of Street:

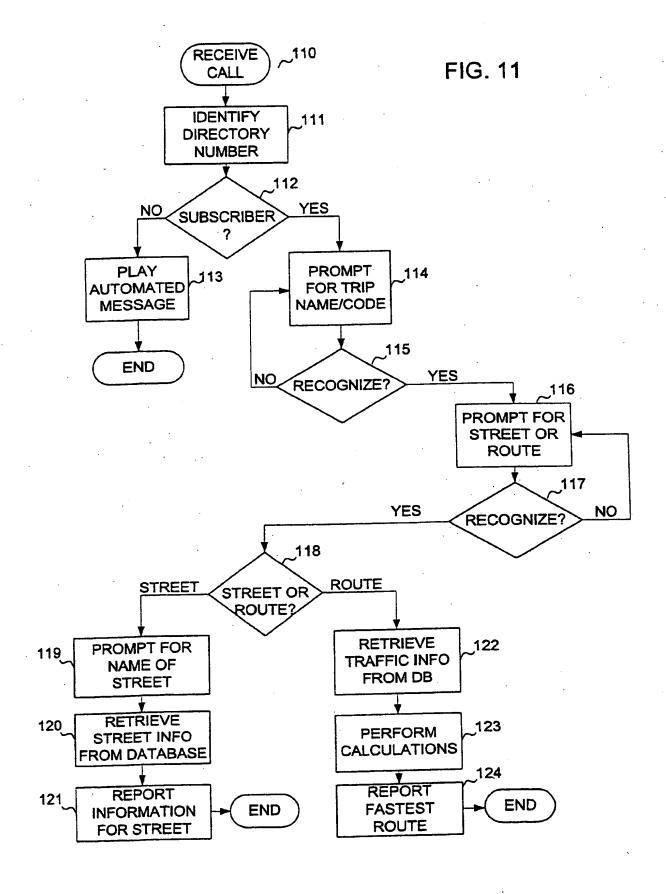
Third Street

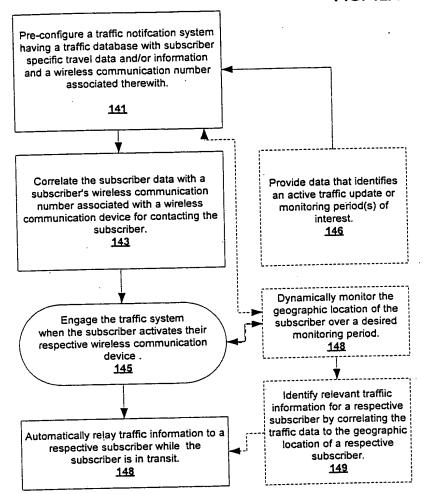
Identify Another Street:

• Yes O No

Figure 10B







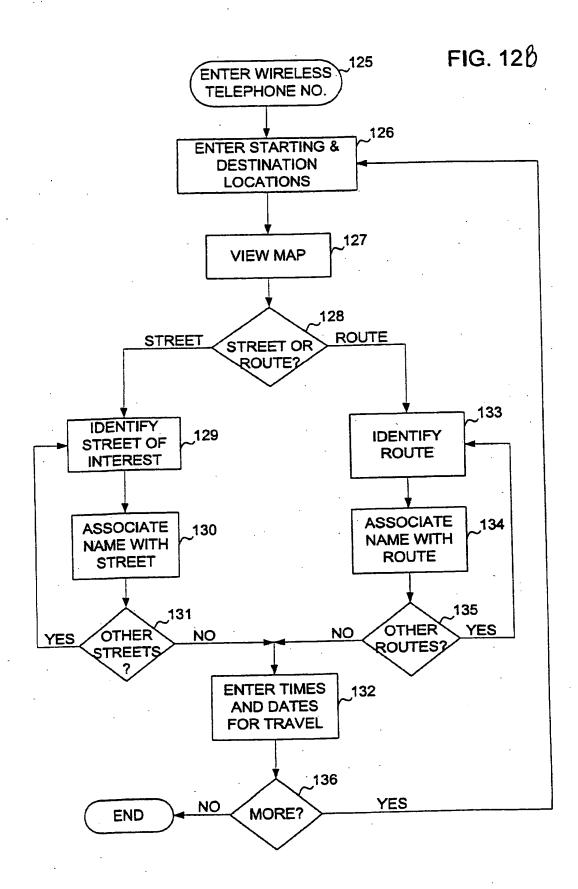
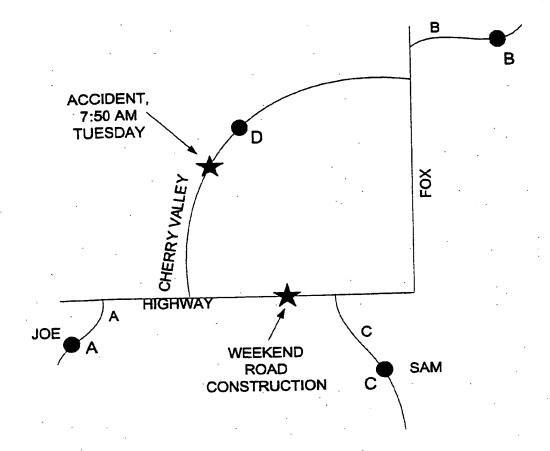


Fig. 13 SUBSCRIBER DATABASE

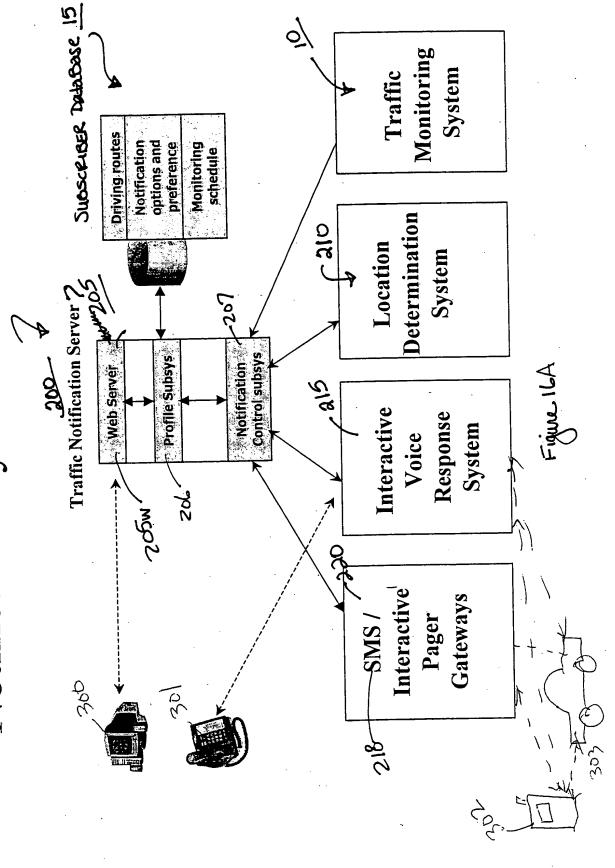
CLIEN	CLIENT: JOHN DOB
DIREC	DIRECTORY NUMBER: (404) 555-1325
INFO	INFORMATION REPORTING FORMAT: SMS
<u> </u>	STREET: HALLOWELL DRIVE, NORTH
	LOCATION: BETWEEN 3 RD & 5 TH STS.
	TIME: 12:00 PM
	DAYS OF WEEK: SATURDAY
2.	ROUTE: ALONG CHERRY VALLEY
	STREETS: (1) RT 23 N, B/T 1 ST & A STS., 3 MI
	(2) A ST. W, B/T RT 23 N & G ST., 6 MI
	(3) G ST. S, B/T A ST. & J STS., 1 MI
	(4) 2 ND ST. NW, B/T J ST. & S STS., 5 MI
	TIME: 8:00 AM
	DAYS OF WEEK: WEEKDAYS
	COMPARE WITH: "ALONG HIGHWAY"
ج.	ROUTE: ALONG HIGHWAY
	STREETS: (1) I-395, B/T EXIT 35 & EXIT 47, 10 MI
	(2) BACKLICK ROAD, B/T I-395 & RD, 3 MI
	TIME: 8:00 AM
·	DAYS OF WEEK: WEEKDAYS
	COMPARE WITH: "ALONG CHERRY VALLEY"

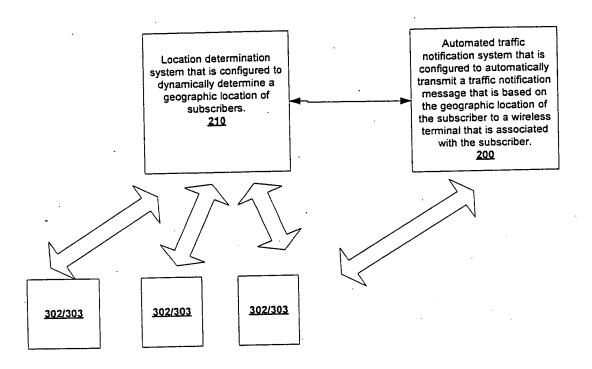
FIGURE 14

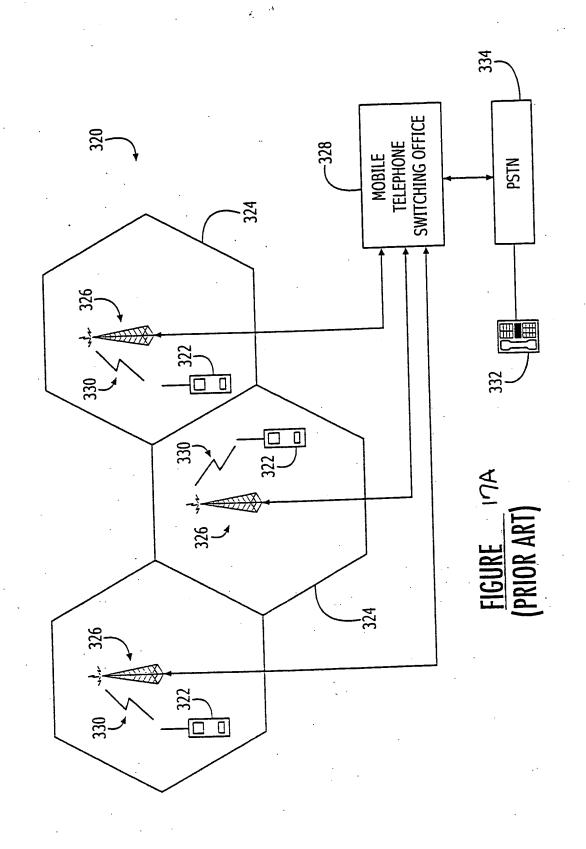


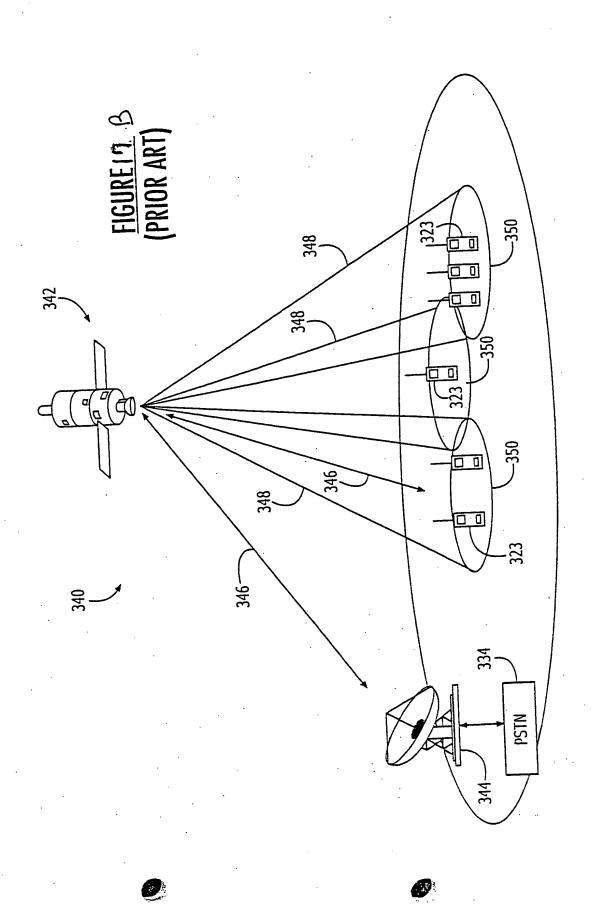
	INFO	A HIGHWAY FOX B = "ALONG HIGHWAY" A CHERRY VALLEY FOX B = "ALONG CHERRY VALLEY"	FOX STREET, B/T HIGHWAY & B	C FOX B = "BY FOX" C HIGHWAY D FOX B = "DETOUR"	HIGHWAY, B/T A & C A HIGHWAY FOX B = "ALONG-HIGHWAY" A CHERRY VALLEY FOX B = "ALONG CHERRY VALLEY"				HIGHWAY, B/T A & C	
	ROUTE/ STREET	ROUTE	STREET	ROUTE	STREET	•	•	•	STREET	•
	SUBSCRIBER NO./NAME	555-1212/JOE	650-1324/SARAH	924-3526/TONY	999-1234/SAM 555-1212/JOE	•			999-1234/SAM	
FIGURE 15	TIME/DAY	8:00 AM, MONDAY	11:00 AM, MONDAY	3:30 PM, MONDAY	5:00 AM, TUESDAY 8:00 AM, TUESDAY	•	•	·	12:00 PM, SATURDAY	•
FIGU	-	<u>.</u>	7	e.	4. v.	•	•	•	9	•

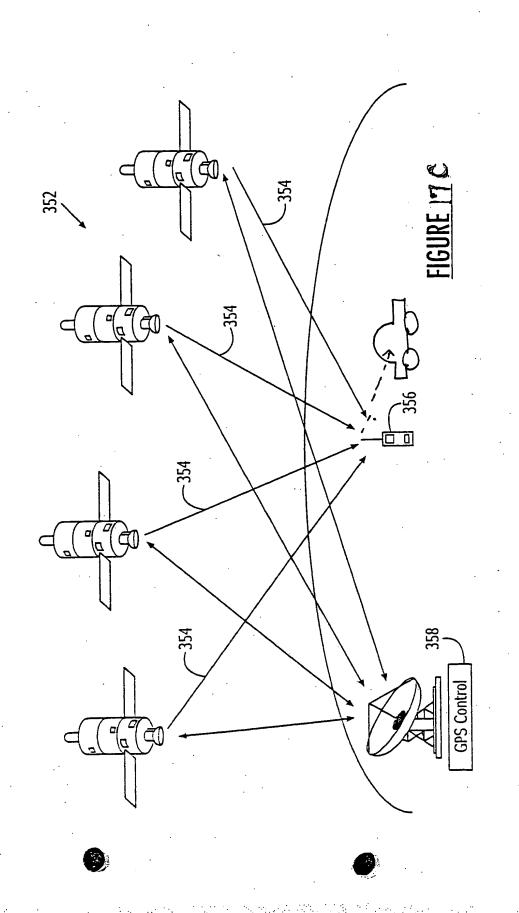
Automated and Location Based Traffic Notification System Architecture

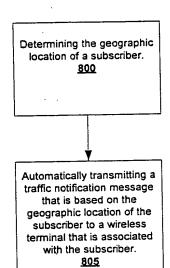












Providing a subscriber database of information corresponding to a plurality of subscribers.

810

Monitoring geographic locations of a respective subscriber while the subscriber is in transit.

812

Identifying relevant traffic conditions by correlating traffic conditions in a particular location to a respective subscriber's monitored geographic location.

814

Automatically relaying a wireless traffic notification message to a respective subscriber if the subscriber is identified as affected by a traffic condition.

816

Evaluating whether a subscriber requests to receive traffic information at a present time from a subscriber database.

840

Dynamically determining a geographic location of the subscriber using a terrestrial and/or celestial based geographic location determination system.

<u>842</u>

Retrieving traffic information for a particular geographic area and/or travel zone corresponding to a travel path of the subscriber and the determined geographic location of the subscriber.

844

Automatically transmitting a short text message with traffic data to a subscriber's wireless communication device.

846

Identifying a subscriber that may be affected by the change in the traffic condition using the determined geographic location of the subscriber and data from the subscriber database.

860

Then automatically transmitting a traffic notification message to the identified subscriber to thereby provide updated relevant traffic information to the subscriber without requiring the subscriber to call, respond to prompts or enter a request to a remote traffic monitoring service for the updated traffic information in transit.

862

Providing a subscriber database configured with subscriber specific data from a plurality of subscribers.

850

Determining a geographic location of a subscriber a plurality of times during at least one time period of interest and storing the geographic location data in

the subscriber database during a monitoring period.

852

Monitoring the geographic location of the subscriber during the monitoring period based on the geographic location data and the subscriber's direction of travel.

Providing substantially current traffic information for routes, streets, roadways and/or travel paths in at least one geographic region.

856

Evaluating when there is a change in a traffic condition a route, street, roadway and/or travel path in the at least one geographic region.